## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	203	(external adj2 (cavity or resonator)) same photonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 15:46
L8	9	("20020163947"   "20020167984"   "20020196827"   "20030235229"   "20040091010"   "5301201"   "5365541"   "5617445"   "5625636"   "5684817"   "5804919"   "6958127"   "6130780"   "6198211"   "6258615"   "6392341"   "6404127"   "6416575"   "6452713"   "6458713"   "6458713"   "6574383"   "6574383"   "6683898"   "6704343"   "6810056"   "6829281").PN.	US-PGPUB; USPAT; USOCR		ON	2009/10/07
L9	,	("20020163947"   "20020167984"   "5301201"   "5625636"   "5684817"   "5955749"   "6515305").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/07 16:54

L10	80	("4806997"   "4829357"   "4833511"   "4864168"   "4879250"   "4888625"   "4891093"   "4910571"   "4947400"   "4991179"   "5028969"   "5132982"   "5136603").PN. OR ("5625636").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/07 16:54
L12	3	(VBG or volume adj2 bragg adj2 grating) with (PBC photonic adj2 crystal or photonic adj2 (band adj2 gap bandgap))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 17:17
L13	1	10/597300 and (photonic or volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 17:29
L14	9	(VBG or volume adj2 bragg adj2 grating) and grating with (rear or back) adj2 facet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 18:35
S1	1	10/597300	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:27
S2	0	(volume adj2 diffractive adj2 grating or VBG or volume adj2 bragg adj2 grating) near4 interference adj2 filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:36
S3	7	(volume adj2 diffractive adj2 grating or VBG or volume adj2 bragg adj2 grating) with interference adj2 filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:36

S4	0	photonic adj2 bandgap adj2 crystal near5 (volume adj2 diffract \$3 adj2 grating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:41
<b>S</b> 5	261	(volume adj2 diffract \$3 adj2 grating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:41
S6	454	photonic adj2 bandgap adj2 crystal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:42
S7	0	PBG adj crystal near5 (volume adj2 diffract \$3 adj2 grating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:42
<b>S</b> 8	1	10/597300 and lens with reflector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:43
<b>S</b> 9	20	interference adj filter same volume adj2 diffract\$3 adj grating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:49
S10	0	interference adj filter with volume adj2 diffract\$3 adj grating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:49
S11	103	(photonic adj2 (bandgap or band adj gap) or PBG) same laser same lens	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/01 09:58

S12	2	"5818614".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/01 09:58
S13	24	("3743376"   "4063795"   "4124268"   "4286838"   "4306763"   "4355858"   "4451151"   "4497534"   "4773992"   "4776652"   "4878718"   "5072135"   "5097478"   "5121400"   "5123025"   "5293272"   "5394412"   "5602657").PN. OR ("5818614").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 09:59
S15	67	("4,013,338" "4,057,408" "4,095,875" "4,514,053" "4,714,902" "4,834,474" "4,942,102" "4,995,050" "5,020,153" "5,043,991" "5,115,338" "5,185,754" "5,335,098" "5,337,328" "5,365,541" "5,392,308" "5,440,669" "5,491,570" "5,499,261" "5,592,503" "5,692,864" "5,629,954" "5,662,864,611" "5,684,611" "5,684,900"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01

		"5,691,989" "5,754,574" "5,777,763" "5,793,784" "5,796,096" "5,798,859" "5,825,792" "5,838,712" "5,870,417" "6,125,222" "6,192,062" "6,198,759" "6,208,679" "6,215,801" "6,233,259" "6,269,203" RE37,354 "6,292,498" "6,327,292" "6,363,092" "6,363,092" "6,363,097" "6,455,341" "6,529,542" "6,586,141" "6,673,497" "20040013157" "20040013157" "20050031264" "20050031264" "20050031264" "7,031,573" "20060215972" "7,177,340" "7,212,554" "7,248,617" "7,248,618" "7,273,683" "7,298,771").pn.				
S16	1	"5163063".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 11:07
S17	192	external adj2 cavity near4 laser and (volume adj2 grating or (photonic adj2 crystal or photonic adj2 (band adj2 gap bandgap)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 15:30

S18	94	("20010016099"	US-PGPUB;	OR	ON	2009/10/01
		"20010028483"	USPAT; USOCR	"		16:44
		"20020012377"	, , , , , , , , , , , , , , , , , , , ,			
		"20020045104"				
		"20020176126"				
		"20020192849"				
		"20030174749"				
		"20030214700"				
		"20030219205"				
		"20040120643"				
		"20050018743"				
		"20050168819"				
		"20050100015"				
		"20060029120"				
		"20060123344"				
		"20060125344"				
		"20060156241"				
		"20080137698"			1	
		"3396343"				
		"3580657"			· illi	
		"3603690"		***************************************		
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		"3647289"				
		"3936143"				
		"4013338"				
		"4017318"   "4057408"				
		,				
		"4095875"				
		"4215937"				
		"4239333"   "4398797"				
		"4514053"				
		"4719635"				
		"4737946"				
		"4747657"				
		\$ ·				
		"4896933"   "4923271"				
		"4942102"				
		"4943126"		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		"4946245"				
*		"5115338"				
		"5335098"				
		"5386426"				
		"5440669"				
		"5452124"				
		"5491570"		***************************************		
		"5548676"				
		"5619609"		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		"5637868"				
	*****	"5648946"		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		"5655040"				
		"5684611"				
		"5691989"		***************************************		
	1	"5757487"				
		•				
		"5777763"				

		"5796096"   "5798859"   "5812258"   "5825792"   "6055250"   "6064685"   "6093927"   "6122043"   "6184987"   "6198759"   "6221566"   "6249624"   "6269203"   "6285813"   "6385219"   "6385228"   "6411323"   "6414973"   "6470120"   "6476345"   "6524913"   "6529675"   "65884133"   "6586141"   "6673493"   "6673497"   "6687036"   "7031573"   "7125632"   "7125632"   "71248617"   "7228771"   "7324286"   "7326500").PN.				
S19	28	("20010016099"   "20010028483"   "20020045104"   "20020176126"   "20030214700"   "4013338"   "4057408"   "4514053"   "4514053"   "5115338"   "5335098"   "5440669"   "5491570"	US-PGPUB; USPAT; USOCR	MOR	O X	2009/10/01 16:45

	***************************************	"5691989"   "5777763"   "5796096"   "5798859"   "5825792"   "6198759"   "6269203"   "6385219"   "6414973"   "6529675"   "6829067"   "7031573").PN.		· · · · · · · · · · · · · · · · · · ·		
S20	29	(US-20080253421-\$ or US-20080225382-\$ or US-20050207466-\$ or US-20050031264-\$ or US-20050018743-\$ or US-20080255638-\$ or US-20080255638-\$ or US-20060256832-\$ or US-20060256830-\$ or US-20060256827-\$ or US-20060251143-\$ or US-20060251142-\$ or US-20060251142-\$ or US-20060251134-\$). did. or (US-5818614-\$ or US-7598771-\$ or US-7298771-\$ or US-7298771-\$ or US-7248618-\$ or US-7248617-\$ or US-7177340-\$ or US-7125632-\$ or US-7177340-\$ or US-7125632-\$	US-PGPUB; USPAT	OR	ON	2009/10/05

S21	29	(US-20080253421-\$ or US-20080225382-\$ or US-20050031264-\$ or US-20050031264-\$ or US-20050018743-\$ or US-20080255638-\$ or US-20080256832-\$ or US-20060256831-\$ or US-20060256830-\$ or US-20060251142-\$ or US-20060251142-\$ or US-20060251142-\$ or US-20060251134-\$). did. or (US-5818614-\$ or US-7508848-\$ or US-7298771-\$ or US-7298771-\$ or US-7248618-\$ or US-7248618-\$ or US-7248617-\$ or US-73632-\$ or US-7590162-\$ or US-7590162-\$ or US-7397837-\$).did.	USPAT	OR	ON	2009/10/06 14:23
S22	3	S21 and (photonic adj2 crystal or Photonic adj2 (bandgap or band adj gap) or PBG)	US-PGPUB; USPAT	OR	ON	2009/10/06 14:23
S23	32	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragga dj2 grating) with rear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:22
S24	32	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragg dj2 grating) with rear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:22
S25	0	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragg adj1 grating) with rear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:24

S26	0	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragg adj2 grating) with rear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:24
S27	19	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragg adj2 grating) with back	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:24
S28	61	laser and (VBG or volume adj2 bragg adj2 grating) with back	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:34
S29	42	S28 not S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:34
S30	22	laser and (VBG or volume adj2 bragg adj2 grating) with (rear or back) near5 (laser or diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:35
S31	50	semiconductor near2 diode near2 laser with disk adj2 laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:59

## **EAST Search History (Interference)**

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